

AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph beginning at line 11 of page 6 and extending through line 2 of page 7, as follows:

11        In operation, the weight of an occupant is applied to seat base 32 in a direction towards floor pan 24. With the weight applied, mounting points 42, 44 deflect downward toward the floor pan 24. With mounting points 42, 44 so deflected, flexible beams 48 and 50 will assume an S-shaped curvature. In the regions of strain sense elements R3 and R1, the flexible beams 48 and 50 will be in tension, thereby reducing the resistance of elements R3 and R1 from their nominal values. In the regions of strain sense elements R4 and R2, flexible beams 48 and 50 will be in compression, thereby increasing the resistance of strain sense elements R4 and R2 from their nominal values. These changes in resistance will upset the balance of the Wheatstone bridge. The unbalanced voltage at nodes D-B of the bridge is then amplified by ASIC U1 to provide an indication of the weight applied to the seat base 32. The  
2 indication appears as a voltage at pin 2 of connector J1.